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December 21, 2004
M/WAS-088-PC
MB/RU/mk

Method for evaluating a scattered light signal and a
scattered light detector for realizing the method

Abstract

The invention relates to a method for evaluating a scattered light signal which is produced by a scattered light receiver upon detecting especially fine particles in a carrier medium. The scattered light signal thereby cycles through a calibration step, a drift compensation step, a temperature compensation step, a sensitivity adjusting step or a filter algorithm step selectively or in random order succession. The invention moreover relates to a scattered light detector for carrying out the above-cited method having a housing, an inlet opening and an outlet opening in said housing, between which the carrier medium flows through the housing on a flow path, having a light source which directs light to a scattered light center lying on the flow path, having a scattered light receiver for a portion of the light scattered on particles in the scattered light center, and having a scattered light signal amplifier for amplifying the scattered light signal, wherein the scattered light signal amplifier is configured as an integration amplifier.

(Fig. 1)